

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An element of globe block game for creating a portion of hollow globe-like body, each said element comprising:

a plurality of interfaces ~~defining along with a pattern on the~~  
longitude lines and latitude lines on a hollow globe-like body;

a relatively larger outer face boundary defined by the interfaces; and

a relatively smaller inner face boundary defined by the interfaces.

2. (Currently Amended) An element of globe block game according to claim 1 in which the surface within the relatively larger outer face boundary or the relatively smaller inner face boundary, is further processed by a ~~known~~ printing, engraving, embossing, gluing, laser carving, sand blasting, colored painting or chemical etching method, for creating ~~a~~ an ~~known or~~ imaginary geographic information, star chart or picture thereon.

3. (Original) An element of globe block game according to claim 1 in which the pattern is a plurality of longitude and latitude lines, wherein the longitude and latitude lines having a predetermined dividing (N°).

4. (Original) An element of globe block game according to claim 3 in which the hollow globe-like body having a predetermined radius (R), a predetermined thickness (T0), and the relatively larger outer face boundary having a longitude edge (H1), and the relatively smaller inner face boundary having a longitude edge (H2), which are determined by:

$$H1 = (2 \pi R) (N^\circ) \div (360^\circ);$$

$$H2 = (2 \pi) (R-T0) (N^\circ) \div (360^\circ).$$

5. (Currently Amended) An element of globe block game according to claim 3 in which the hollow globe-like body having a predetermined radius (R), a predetermined thickness (T0), and the relatively larger outer face boundary having a latitude edge (L1s) at a latitude that equals to the predetermined dividing ( $N^\circ$ ) multiplied by a predetermined number (S), and the relatively smaller inner face boundary having a latitude edge (L2s) at a latitude that equals to the predetermined dividing ( $N^\circ$ ) multiplied by the predetermined number (S), wherein the latitude edges are determined by:

$$L1s \doteq (2 \pi)(R)(\cosine(S \cdot N^\circ))(N^\circ) \div (360^\circ) ; [[\text{及}]]$$

$$L2s \doteq (2 \pi)(R-T0)(\cosine(S \cdot N^\circ))(N^\circ) \div (360^\circ).$$

6. (Original) An element of globe block game according to claim 3 in which the predetermined dividing ( $N^{\circ}$ ) is selectively ranged from  $1^{\circ}$  to  $30^{\circ}$ , so that is referable to a known world atlas with the longitude and latitude lines which having a dividing as same as the predetermined dividing ( $N^{\circ}$ ).

7. (Original) An element of globe block game according to claim 3 in which the predetermined dividing ( $N^{\circ}$ ) is  $5^{\circ}$ , so that is referable to a known world atlas with the longitude and latitude lines which having a dividing as same as the predetermined dividing ( $N^{\circ}$ ).

8. (Original) An element of globe block game according to claim 3 in which the predetermined dividing ( $N^{\circ}$ ) is  $10^{\circ}$ , so that is referable to a known world atlas with the longitude and latitude lines which having a dividing as same as the predetermined dividing ( $N^{\circ}$ ).

9. (Original) An element of globe block game according to claim 3 in which the predetermined dividing ( $N^{\circ}$ ) is  $15^{\circ}$ , so that is referable to a known world atlas with the longitude and latitude lines which having a dividing as same as the predetermined dividing ( $N^{\circ}$ ).

10. (Currently Amended) An element of globe block game according to claim 1, further comprising a ~~known~~-connector disposed on the interfaces for connecting the element.

11. (Currently Amended) An element of globe block game according to claim 10, wherein the ~~known~~-connector is a layer of adhesive material.

12. (Currently Amended) An element of globe block game according to claim 10, wherein the connector is a part of a ~~known~~ male/female connectors.

13. (Currently Amended) An element of globe block game according to claim 10, wherein the connector is a part of a ~~known~~ magnetic coupling elements.

14. (Original) An element of globe block game according to claim 1, wherein the face between the relatively larger outer face boundary further comprising a connector for connecting an extra geographic item, celestial information or picture item.

15. (Currently Amended) An element of globe block game according to claim 1, wherein the element is using to create a

portion of the globe-like body ~~for combined with a portion of a book shelf, so as to provide a function of globe block game to the bookshelf~~book ends.

16. (Currently Amended) An element of globe block game according to claim 1, wherein the element is using to create a portion of the globe-like body for ~~combined~~use with a game table or a board.

17. (Currently Amended) An element of globe block game for creating a portion of hollow globe-like body, each said element is a shell-like body comprising:

a plurality of interfaces defining along with a longitude lines and a latitude lines on a pattern on the hollow globe-like body;

a relatively larger outer face boundary defined by the interfaces; and

a relatively smaller inner face boundary defined by the interfaces.

18. (Original) An element of globe block game according to claim 17, in which the shell-like body is made from a plastic, metal, cloth, leather, wooden, paper or any combination layers therebetween; wherein the surface between the relatively larger

outer face boundary or the relatively smaller inner face boundary, is further processed by a known printing, engraving, embossing, gluing, laser carving, sand blasting, colored painting or chemical etching methods, for creating a known or imaginary geographic information, star chart or picture thereon.

19. (Original) An element of globe block game according to claim 17, in which the hollow globe-like body having a predetermined radius (R), a predetermined thickness (T0), and the relatively larger outer face boundary having a longitude edge (H1), and the relatively smaller inner face boundary having a longitude edge (H2), which are determined by:

$$H1 = (2 \pi R) (N^\circ) \div (360^\circ);$$

$$H2 = (2 \pi) (R-T0) (N^\circ) \div (360^\circ).$$

20. (Currently Amended) An element of globe block game according to claim 17, in which the hollow globe-like body having a predetermined radius (R), a predetermined thickness (T0), and the relatively larger outer face boundary having a latitude edge (L1s) at a latitude that equals to the predetermined dividing ( $N^\circ$ ) multiplied by a predetermined number (S), and the relatively smaller inner face boundary having a latitude edge (L2s) at a latitude that equals to the predetermined dividing ( $N^\circ$ ) multiplied

by the predetermined number (S), wherein the latitude edges are determined by:

$$L1s \doteq (2\pi)(R)(\cosine(S \cdot N^\circ))(N^\circ) \div (360^\circ) ; [[\text{及}]]$$

$$L2s \doteq (2\pi)(R-T0)(\cosine(S \cdot N^\circ))(N^\circ) \div (360^\circ).$$

21. (New) The element of globe block game according to claim 1, wherein the smaller interface boundary is free of contact with an underlying support structure.

22. (New) The element of globe block game according to claim 21, wherein the element only has four face boundaries which contact other face boundaries.

23. (New) The element of globe block game according to claim 17, wherein the smaller interface boundary is free of contact with an underlying support structure.

24. (New) The element of globe block game according to claim 23, wherein the element only has four face boundaries which contact other face boundaries.